

CITY PARK



MANNINGTON  
COMMERCIAL



Cover: WINDSOR OAK Ashen CPC101

Above: MADISON MAPLE Creek CPC103



MADISON MAPLE Pepper Bark CPC104

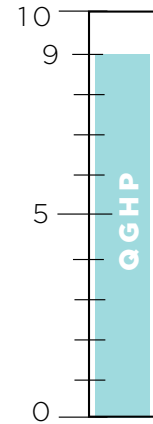
QUANTUM GUARD® HP:  
PATENTED PERFORMANCE

- Highest performance commercial urethane finish in the industry
- No polish
- Enhances durability, cleanability, appearance, and slip retardance when compared to standard LVT floors
- Significant reduction in overall lifecycle cost greatly lowers total cost of ownership



MOHS HARDNESS SCALE

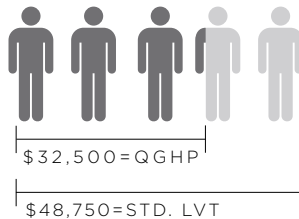
- 10 = Natural Diamond
- 9 = QGHP
- 7 = Quartz
- 2 = Urethane without aluminum oxide



70%

ANNUAL MAINTENANCE SAVINGS PER SQ. FOOT

REGULAR MAINTENANCE ANNUAL TOTAL



TOTAL ANNUAL COST PER SQ. FT.

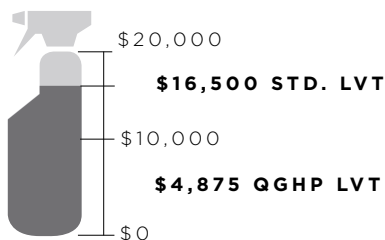


\$0.66 STANDARD LVT

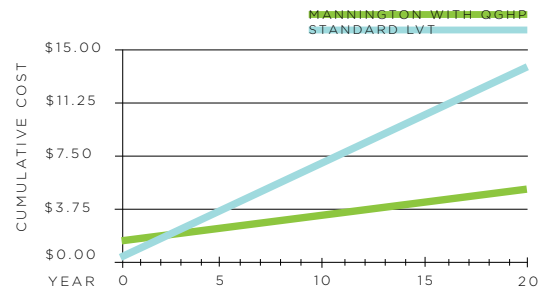


\$0.20 QGHP LVT

RESTORATIVE MAINTENANCE ANNUAL TOTAL



CUMULATIVE COST PER SQ. FT. BY YEAR









Break Even on Product and Maintenance Cost Difference Between:  
LVT VS. QGHP = 2 YEARS



## PERFORMANCE AND FEATURES

	<p>AVAILABLE SIZE</p>	<p>5.8" x 37" nominal</p>
	<p>QUANTUM GUARD® HP</p>	<p>The highest performance commercial urethane finish in the industry. The patented aluminum oxide proprietary wear layer eliminates the need for polish, while enhancing durability, cleanability, appearance retention, and slip retardance when compared to standard LVT floors – resulting in 70% annual savings in maintenance costs.</p>
	<p>FLOORARMOR™</p>	<p>FloorArmor™ is a unique core innovation that delivers a superior combination of benefits. With industry leading commercial product specifications, FloorArmor™ delivers enhanced dimensional stability, ease of installation, superior acoustic properties and outstanding indentation resistance, combined with a product that is virtually waterproof.</p>
	<p>WARRANTY</p>	<p>This product is backed by our Limited 10 Year Commercial Warranty, Limited 10 Year No Gap Warranty, and Limited 10 Year Quantum Guard® HP Wear Warranty.</p>

## SUSTAINABILITY











	<p>ENERGY LEADERSHIP</p>	<p>With one of the largest solar arrays in the flooring industry (3.3 acres in Salem NJ) and ambitious goals to improve energy efficiency by 25% over ten years, we have an ongoing partnership with the Department of Energy to lead manufacturing into smarter energy use, as well as to reduce related carbon emissions.</p>
	<p>WATER REDUCTION</p>	<p>Water is a precious natural resource and a key component in manufacturing. By investing in technology and a continual emphasis on efficiency and lean manufacturing, we have reduced our water use by 30% company-wide since 2007. We also actively help protect wetlands in the communities where we make flooring.</p>
	<p>SOLAR ARRAY</p>	<p>At 3.3 acres, we have one of the largest solar arrays in the flooring industry, generating 1,000,000 kilowatt hours annually.</p>
	<p>ISO 14001</p>	<p>ISO 14001 is a global environmental standard that provides a system for continual improvement in environmental performance.</p>
	<p>3RD PARTY CERTIFICATIONS</p>	<p>Certifications help navigate the world of green marketing claims. So we invest in ISO-14001 and environmentally preferable product certifications including NSF/ANSI-140, NSF/ANSI-332, FloorScore, and Green Label Plus. All of our products may contribute to multiple LEED and Green Globe credits.</p>
	<p>LEED</p>	<p>Mannington Commercial products may contribute to multiple LEED credits.</p>

## SUSTAINABILITY

	PURPLE MARTINS	In the mid-1980s, we began attracting migrating birds called Purple Martins to our New Jersey manufacturing campus as a more natural alternative to the use of pesticides. This “Purple Martin Project” has proven to be an incredibly environmentally friendly and cost effective way to control insects. Our employees are engaged in the banding and tracking of the birds.
	HONEYBEES	In 2009, as part of an effort to show how an industrial enterprise can co-exist with the agricultural & farming community and positively contribute to both, Mannington’s New Jersey corporate site began to house honeybees, and now have 5 hives in Salem, NJ and 4 in Eustis, FL. The honeybees are thriving and each year we are able to enjoy and share the honey we produce.
	CE MARK	Certifies that a product has met EU health, safety, and environmental requirements, which ensure consumer safety. Manufacturers in the European Union (EU) and abroad must meet CE marking requirements where applicable in order to market their products in Europe.
	CLIMATE REGISTRY	Mannington is dedicated to reducing our greenhouse gas emissions by 25% over 10 years. Since 2007, a 10% reduction can be attributed to energy efficiencies, process efficiencies, and use of renewable energy. Additional information can be found on <a href="http://theclimateregistry.org">theclimateregistry.org</a> .



## SPECIFICATIONS | CITY PARK

	CONSTRUCTION	Solid Core construction with micro-beveled edges featuring a FloorArmor™ core and locking technology.
	AVAILABLE SIZES	5.8" x 37" nominal (148 mm x 940 mm)
	WEAR LAYER THICKNESS	20 mil (0.51 mm)
	OVERALL THICKNESS	0.236" (6 mm); FloorArmor™ Core 0.197" (5 mm); Sound Abatement Pad 0.039" (1 mm)
	PIECES PER CARTON	8 pcs
	COVERAGE PER CARTON	11.97 sq. ft.
	3RD PARTY CERTIFICATIONS	FloorScore
	LEED	Mannington Commercial products may contribute to multiple LEED credits.
	QUANTUM GUARD® HP	The highest performance commercial urethane finish in the industry. The patented aluminum oxide proprietary wear layer eliminates the need for polish, while enhancing durability, cleanability, appearance retention, and slip retardance when compared to standard LVT floors - resulting in 70% annual savings in maintenance costs.
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	WARRANTY	This product is backed by our Limited 10 Year Commercial Warranty, Limited 10 Year No Gap Warranty, and Limited 10 Year Quantum Guard® HP Wear Warranty.
	STATIC LOAD LIMIT	750 PSI
	SPECIFICATIONS (ASTM F3261)	Class 1, Type B, Backing Class B
	HEAT STABILITY (ASTM F1514)	Passes
	STAIN & CHEMICAL RESISTANCE (ASTM F925)	Passes
	COEFFICIENT OF FRICTION (COF)	≥ 0.5 Leather; 0.6 Rubber
	FLOORING RADIANT PANEL (ASTM E648)	≥ 0.45 watts/cm <sup>2</sup> , Passes (Class 1)
	HUD/FHA REQUIREMENTS	Exceeds
	AMERICANS WITH DISABILITIES ACT GUIDELINES (ADAG)	Meets or exceeds ADA Guidelines
	N.B.S. SMOKE CHAMBER (ASTM E662)	< 450, Passes
	INSTALLATION ADHESIVE	City Park utilizes a patented locking system that does not require adhesive.

